

Title (en)
AUDIO DEMONSTRATION KIT

Title (de)
AUDIODEMONSTRATIONSKIT

Title (fr)
KIT DE DÉMONSTRATION AUDIO

Publication
EP 3047659 A1 20160727 (EN)

Application
EP 14780949 A 20140916

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• US 201361880663 P 20130920
• US 201414229472 A 20140328
• US 2014055747 W 20140916

Abstract (en)
[origin: WO2015042001A1] An audio demonstration kit encourages understanding of audio concepts by enabling children to construct and study speaker performance. In a particular embodiment, the audio demonstration kit includes a paper speaker and instructions. The paper speaker includes a backplate, a suspension, and a diaphragm cut from a single sheet of paper. The demonstration kit may feature an amplifier that is configurable to accommodate various hardware additions as a child is ready for more progressively challenging construction. For example, the amplifier of an embodiment allows single and dual mode operation, as well as drives a rotary motor and is coordinated with a strobe light. The amplifier of an embodiment is synchronized with the strobe light and a moveable platform to create the impression of that jiggling figures attached to the table are dancing. Interfaces with smart phone, recording, and other technologies further enhances and encourages the learning experience.

IPC 8 full level
H04R 31/00 (2006.01); **H04R 9/02** (2006.01)

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Citation (search report)
See references of WO 2015042001A1

Citation (examination)
• GREG SAUL ET AL: "Interactive paper devices", TEI '10 PROCEEDINGS OF THE FOURTH INTERNATIONAL CONFERENCE ON TANGIBLE, EMBEDDED, AND EMBODIED INTERACTION, ACM, NEW YORK, NY, USA, 24 January 2010 (2010-01-24), pages 205 - 212, XP058142645, ISBN: 978-1-60558-841-4, DOI: 10.1145/1709886.1709924
• JIE QI ET AL: "The Fine Art of Electronics: Paper-based Circuits for Creative Expression", 11 March 2012 (2012-03-11), XP055421365, Retrieved from the Internet <URL:http://web.mit.edu/~jieqi/Public/Jie_Qi_MS_thesis.pdf> [retrieved on 20171102]

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